

REMARKS

Claims 1-3, 5-17 and 19-46 are pending herein.

By this Amendment, claims 1 and 15 have been amended to more fully distinguish the invention of the claims over the teachings of the prior art references cited against this claim, claims 10 and 11 have been amended to more clearly claim the subject matter therein; claims 7 and 17 have been amended to correct informalities, and claims 19 and 20 have been amended to change the dependency of the claims. Claims 4 and 18 have been canceled, and new claims 21-46 have been added.

No new matter is added by this Amendment. Support for the amendments to the claims and the new claims is found in the original specification, original claims, and figures. In particular, support for the language added to claims 1 and 15 is found in original claims 4 and 18, respectively. Support for the language added to claims 10 and 11 is found on pages 9 and 10 of the specification, as well as at, for example, Figs. 8a-8c. Support for new claim 21 is found in original claims 1 and 7. Support for new claim 31 is found in original claims 1 and 8. Support for new claim 42 is found in original claims 1 and 13.

I. Rejoinder

As confirmed in discussions with the Examiner, there is no Election of Species Requirement regarding claims 1-15. (See the Response to the Restriction Requirement filed on April 11, 2003.) Also, as indicated on page 3 of the Restriction Requirement, claim 15 is generic. (See paper no. 7.)

Once a claim that is determined to be generic is allowed, all of the claims drawn to species in addition to the elected species which include all the limitations of the generic claim will ordinarily be obviously allowable in view of the allowance of the generic claim, since the additional species will depend thereon or other wise include all of the limitations thereof. See MPEP § 806.04(d)

Claim 15 has been amended to include allowable subject matter and is thus allowable. Accordingly, depending claims 16, 17, 19 and 20 are also allowable.

Rejoinder and allowance of claims 16, 17, 19 and 20 are thus respectfully requested.

II. Objection to the Specification

The Office Action suggests headings be added to the specification; that the term "Fig. 1" should be removed from the end of the Abstract; and that a new title be provided that is clearly indicative of the invention to which the claims are directed.

To this end, Applicant amends the specification to add appropriate headings; amends the Abstract to remove the term "Fig. 1"; and amends the title to further clarify the invention to which the claims are directed. Thus, Applicant submits the requirements of the Patent Office have been met.

Reconsideration and withdrawal of the objections are thus respectfully requested.

III. Claim Rejections Under 35 U.S.C. §112

Claim 14 was rejected under 35 U.S.C. §112, first paragraph, because the specification allegedly does not enable any person skilled in the art to make the invention commensurate in scope with claim 14. Specifically, the Patent Office alleges there is no indication in the specification or drawings to suggest the use of a plurality of regions where the pitch of the corrugations varies from region to region.

Claim 14 recites the layer of light emitting material has a plurality of regions each of which has a corrugated surface with a respectively different pitch. The fifth example, as disclosed in the specification on pages 15 and 16, provides sufficient description such that claim 14 would enable a person skilled in the art to practice the invention. Specifically, the specification states "the stamper provides gratings of different periods or different design on the same substrate." See pages 15 and 16 of the specification.

Thus, with respect to claim 14, Applicant submits that the requirements under 35 U.S.C. §112, first paragraph, have been met.

Claims 10 and 11 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite. Specifically, the Patent Office alleges that Applicant has failed to point out how any of the suggested patterns disclosed in the specification for use on a two-dimensional surface are limited to one or two dimensions.

Applicant has amended claim 10 to recite the corrugated surface has a pitch only in a first dimension, and amended claim 11 to recite the corrugated surface has a pitch in a first and a second dimension. Applicant submits, that these claims, as amended in view of the disclosure on pages 9 and 10 of the specification, as well as Fig. 8, distinctly claim the subject matter of the present invention.

Accordingly, Applicant submits that claims 10 and 11 meet the requirements of 35 U.S.C. §112, second paragraph.

Reconsideration and withdrawal of the 35 U.S.C. §112 rejections are thus respectfully requested.

IV. Claim Rejections

Claims 1, 2, 5, 6, 10-12 and 15 were rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,252,253 (Bao); claims 1, 3 and 10-12 were rejected under 35 U.S.C. §102(b) as being anticipated by Japanese Patent No. 61-212084 (Hiroshi); and claim 9 was rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Bao.

Applicant submits claims 1 and 15 were amended to include the allowable subject matter of claim 4. Thus, the rejections of claims 1 and 15, as well as depending claims 2, 3, and 5-14 are now moot.

Reconsideration and withdrawal of these rejections are thus respectfully requested.

V. Allowable Subject Matter

Applicant notes with appreciation that claims 4, 7, 8 and 13 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form, including all the limitations of the base claim and any intervening claims. To this end, Applicant amends claims 1 and 15 to include the subject matter of claim 4; adds new claim 21 incorporating the subject matter of claims 1 and 7; adds new claim 31 incorporating the subject matter of claims 1 and 8; and adds new claim 42 incorporating the subject matter of claims 1 and 13. Thus, Applicant submits that independent claims 1, 15, 21, 31 and 42, as well as depending claims 2, 3, 5-14, 16, 17, 19, 20, 22-30, 32-41 and 43-46 are in condition for allowance.

VI. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-3, 5-17 and 19-46 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:
Abstract

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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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ABSTRACT

A light emitting device comprising a substrate, a transparent electrode formed on said substrate, a layer of light emitting material provided over the transparent electrode and having at least one corrugated surface, and a further electrode formed over the light emitting material. In a preferred arrangement there is provided a light emitting device comprising a substrate having a corrugated surface, a transparent electrode formed on said corrugated surface, a layer of light emitting material provided over the transparent electrode and a further electrode formed over the light emitting material. In another preferred arrangement there is provided a light emitting device comprising a substrate, a transparent electrode formed over the substrate, a conductive polymer layer formed over the transparent electrode and having a corrugated surface opposite to a surface facing the transparent electrode, a light emitting material in contact with said corrugated surface and a further electrode formed over the light emitting material. The invention also provides a method of manufacturing a light emitting device comprising the steps of providing a substrate, forming a transparent electrode on said substrate, providing a layer of light emitting material over the transparent electrode, arranging for the light emitting surface to have at least one corrugated surface, and forming a further electrode over the light emitting material. Very preferably the light emitting material is an organic material.

Fig. 1

